

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000461

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C22B 3/00 // C22B 19:00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C22B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4168970 A (NASSEF E. GHATAS), 25 Sept 1979 (25.09.1979), column 2, line 3 - line 9; column 4, line 50 - line 55, figure 3, abstract --	1-4,6-21
X	US 4383979 A (JUSSI K. RASTAS ET AL), 17 May 1983 (17.05.1983), figure 1, abstract --	1-3,5-20
X	US 4425228 A (JOHN D. LYNN ET AL), 10 January 1984 (10.01.1984), column 7, line 5 - line 10, figure 4, abstract --	1,3-20
A	US 3791595 A (WILLIAMM. AUBREY, JR.), 12 February 1974 (12.02.1974), abstract --	1-21

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

4 November 2004

Date of mailing of the international search report

08-11-2004

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Mårten Hulthén/ELY  
Telephone No. +46 8 782 25 00

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4149945 A (ROGER N. KUST), 17 April 1979 (17.04.1979), abstract  --	1-21
A	WO 9636743 A1 (VOESTALPINE INDUSTRIENLAGENBAU GMBH), 21 November 1996 (21.11.1996), abstract  -----	1-21

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

01/10/2004

International application No.

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US	4168970	A	25/09/1979	NONE		
US	4383979	A	17/05/1983	CA	1114175 A	15/12/1981
				DE	2835113 A	26/04/1979
				FI	54810 B,C	30/11/1978
				IN	149077 A	05/09/1981
US	4425228	A	10/01/1984	CA	1183808 A	12/03/1985
US	3791595	A	12/02/1974	CA	986884 A	06/04/1976
US	4149945	A	17/04/1979	NONE		
WO	9636743	A1	21/11/1996	AT	85095 A	15/10/1996

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